

ABSTRACT OF THE DISCLOSURE

5 A method is provided for regulating the conversion
rate of a hereditary trait of a cell, comprising the step
of regulating the error-prone frequency of gene replication
of the cell. A method is provided for producing a cell having
a regulated hereditary trait, comprising the step of
(a) regulating an error-prone frequency of gene replication
of the cell, and (b) reproducing the resultant cell. A method
10 is provided for producing an organism having a regulated
hereditary trait, comprising the steps of (a) regulating
the error-prone frequency of gene replication of the organism,
and (b) reproducing the resultant organism.